

511

# **Notice of Allowability**

Application No.

10/652,621

Examiner

Lamson D. Nguyen

Applicant(s)

LEE, GEUN-CHUL

Art Unit

2861

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment dated 01/05/06.
2. ☒ The allowed claim(s) is/are 1-9, 11, 14-17 and 19-23.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## **Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____.   |

## **DETAILED ACTION**

### ***Allowable Subject Matter***

The following is an examiner's statement of reasons for allowance:

- The primary reasons for allowance for claims 1-6 are the inclusion of a method of controlling a printing operation comprising the steps of obtaining feature value of fed printing sheet when the printing command is applied, comparing the obtained value with the registered feature values, and determining the fed printing sheets when the obtained feature value corresponds to the registered feature values. It is these limitations, either alone or combined, that have not been taught, found, or suggested by prior art.
- The primary reasons for allowance for claim 7 are the inclusion of a computer readable recording medium comprising a second program that determines the kind of the currently fed printing sheet based on the feature value of the currently fed printing sheet and with reference to a predetermined identification table when it is determined in a first program that the currently fed printing sheet does not belong to the kind of the printing sheet registered by a user, and a third program that creates a control data to control an operation of a head driver according to the kind of the currently fed printing sheet determined by the first and second programs. It is these limitations, either alone or combined, that have not been taught, found, or suggested by prior art.

- The primary reasons for allowance for claim 8 are the inclusion of an apparatus to control a printing operation comprising a system controller registering one or more kinds of user printing sheets along with features values of the user printing sheets and determining a kind of a fed printing sheet using a feature value of the fed printing sheet provided from the sensor and with reference to one of the table stored in storage and an identification table included when a printing command is applied. It is these limitations, either alone or combined, that have not been taught, found, or suggested by prior art.
- The primary reasons for allowance for claims 9 and 11 are the inclusion of a method of controlling a printing operation comprising the steps of sensing a currently fed printing sheet together with at least one unique feature value thereof to be registered, applying a printing sheet registration command, and registering and storing the sensed at least one unique feature value and kind of printing sheet corresponding to the at least one unique feature value. It is these limitations, either alone or combined, that have not been taught, found, or suggested by prior art.
- The primary reasons for allowance for claims 14-17 are the inclusion of an apparatus to control a printing operation comprising a system controller to register kinds of user printer sheets designated by a user together with at least one feature value thereof, and to determine whether a fed printing sheet belongs to the registered kind according to a

Art Unit: 2861

feature value of the fed printing sheet, and if not, then determine the kind of the fed printing sheet based on the feature value of the fed printing sheet by referring to an identification table therein. It is these limitations, either alone or combined, that have not been taught, found, or suggested by prior art.

- The primary reasons for allowance for claims 19-20 and 22 are the inclusion of an apparatus to control a printing operation comprising a registration storage unit to register one or more unregistered printing sheet types and to store the associated one or more unique feature values therein; and a controller to having access to both the registration storage unit and a pre-stored identification table, which is different from the registration storage unit and identifies pre-stored printing sheet types associated with pre-stored feature values. It is these limitations, either alone or combined, that have not been taught, found, or suggested by prior art.
- The primary reasons for allowance for claim 21 are the inclusion of a method of controlling a printing operation comprising the steps of determining whether a sheet type of the current printing sheet has been registered in the specified printer by determining whether the feature value that corresponds to the current sheet is stored in a registration storage unit of the specified printer; and retrieving print control data to print the current printing sheet from the registration storage unit when it is

determined that the sheet type thereof has been registered in the specified printer, and retrieving print control data to print the current printing sheet from a general printing sheet identification storage when it is determined that the sheet type thereof has not been registered in the specified printer. It is these limitations, either alone or combined, that have not been taught, found, or suggested by prior art.

- The primary reasons for allowance for claim 23 are the inclusion of a computer readable recording medium comprising a second executable code to control a registration storage unit to register the one or more unregistered printing sheet types with one or more associated unique feature values; and a third executable code to access at least one of the registration storage unit and a pre-stored identification table, which is different from the registration storage unit and identifies pre-stored printing sheet types associated with pre-stored feature values. It is these limitations, either alone or combined, that have not been taught, found, or suggested by prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


Art Unit: 2861

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lamson D. Nguyen whose telephone number is 571-272-2259. The examiner can normally be reached on 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dave Talbott can be reached on 571-272-1934. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

\*\*\*



LAMSON NGUYEN  
PRIMARY EXAMINER  
02/20/06